



State of Utah

JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

## DEPARTMENT OF TRANSPORTATION

JOHN R. NJORD, P.E.  
Executive Director

CARLOS M. BRACERAS, P.E.  
Deputy Director

October 11, 2007

TO ALL BIDDERS CONCERNED:

SUBJECT: BHF-0191(46)20:  
US-191; 5 Miles Southwest of Bluff;  
Addendum No. 1

To Whom It May Concern:

We are submitting the following changes to the subject project.

1. The Bid Opening has been revised. The Bid Opening date has been changed from October 16, 2007 to October 23, 2007.  
**EBS requires you to change the "Bid Date" on your "Project Item Bid Detail" window. If you do not change the date, your bid will not be downloaded for "Bid Opening".**
2. The "Table of Contents" has been revised. Special Provision 02373M "RIPRAP" has been added.
3. Special Provision 02373M "RIPRAP" has been added
4. Special Provision 02642S "Scour Protection, Unreinforced Concrete Seal At Bedrock (Class A)" has been revised.

Please consider these revisions before submitting your bid.

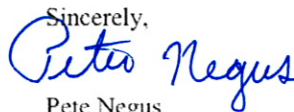
\*\*\*ADDENDUM IS AVAILABLE AND MAY BE DOWNLOADED FROM THE UDOT WEBSITE AT  
<http://www.udot.utah.gov/index.php?m=c&tid=317>

**RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED WHEN YOU SUBMIT YOUR BID. YOUR BID WILL BE DECLARED NON-RESPONSE IF YOU DO NOT ACKNOWLEDGE THIS ADDENDUM.**

Sincerely,

  
Kirk R. Thornock  
UDOT Project Manager

Sincerely,

  
Pete Negus  
Deputy Construction Engineer

Attach.

## Federal Projects With Full Size Plan Sheets

### XIV. Special Provisions and Supplemental Specifications (July 16, 2007)

	<u>Section No.</u>	<u>Title and Type (current date in mm/dd/yy format)</u>
1.	00120	Bidding Requirements and Conditions (Supplemental Specification) (04/26/07)
2.	00250S	Prebid Conference - (Department Special Provision) (06/07/07)
3.	00515	Contract Award and Execution (Supplemental Specification) (04/26/07)
4.	00555M	Prosecution and Progress (Project Special Provision) (08/6/07)
5.	00555	Prosecution and Progress (Supplemental Specification) (11/30/06)
6.	00570M	Definitions (Project Special Provision) (08/06/07)
7.	00570	Definitions (Supplemental Specification) (11/30/06)
8.	00725	Scope of Work (Supplemental Specification) (11/30/06)
9.	00727	Control of Work (Supplemental Specification) (11/30/06)
10.	00820M	Legal Relations and Responsibility to the Public (Special Provision) (08/08/07)
11.	00820	Legal Relations and Responsibility to the Public (Supplemental Specification) (04/26/07)
12.	00826S	Indian Employment Preference (Navajo) (Region 4 Special Provision) (08/14/07)
13.	01280	Measurement (Supplemental Specification) (04/26/07)
14.	01282M	Payment (Department Special Provision) Use on all projects. (02/01/07)
15.	01282	Payment (Supplemental Specification) (11/30/06)
16.	01284	Prompt Payment (Supplemental Specification) (02/22/07)
17.	01455	Material Quality Requirements (Supplemental Specification) (06/29/06)
18.	01571	Environmental Controls (Supplemental Specification) (06/29/06)
19.	01574	Environmental Control Supervisor (Supplemental Specification) (11/30/06)
20.	02317	Structural Excavation (Supplemental Specification) (02/23/06)
21.	02332	Embankment For Bridge (Supplemental Specification) (04/26/07)
22.	02373M	RIPRAP (Project Special Provision) (10/11/07)
23.	02373M	RIPRAP (Supplemental Specification) (06/28/07)
24.	02381S	Scour Protection, Concrete Armor Unit Installation (Project Special Provision) (08/23/07)
25.	02455	Driven Piles (Supplemental Specification) (04/26/07)
26.	02463S	Temporary Cofferdam (Project Special Provision) (08/08/07)
27.	02642S	Scour Protection, Unreinforced Concrete Seal At Bedrock (Class A) (Project Special Provision) (08/08/07)
28.	02924S	Invasive Weed Control (Project Special Provision) (8/6/07)
29.	03056S	Self Consolidating Concrete (SCC) (Department Special Provision) (08/25/05)
30.	03310	Structural Concrete (Supplemental Specification) (06/28/07)

10/11/2007

**SPECIAL PROVISION**

BHF-0191(46)20

**SECTION 02373 M**

**RIPRAP**

**Delete paragraph 2.1 D. and replace with the following:**

D.  $D_{50} = 3$  feet

**Add the following to Article 3.2, "Loose Riprap"**

F. Uniformly distribute existing salvaged riprap in final placement of loose riprap.

August 8, 2007

**SPECIAL PROVISION**

**BHF-0191(46)20**

**SECTION 02642S**

**SCOUR PROTECTION,  
UNREINFORCED CONCRETE SEAL AT BEDROCK (CLASS A)**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. Materials and procedures for constructing an Unreinforced Concrete Seal at Bedrock.

**1.2 RELATED SECTIONS**

- A. Section 02463S: Temporary Cofferdam
- B. Section 03055: Portland Cement Concrete

**1.3 ACCEPTANCE**

- A. The primary function of the concrete seal is to protect the bedrock surface from the long term effects of scour. As such it is relatively unsophisticated unreinforced concrete slab with its minimum thickness selected so as to remain intact over the remaining life(75 years) of the bridge structure.
- B. Unreinforced Concrete Seal at Bedrock may be accepted at a reduced price when The concrete strength is below that specified.
  - 1. Price adjustment pay factor following Section 03055.

**PART 2 PRODUCTS**

## 2.1 CONCRETE

- A. Use any Class A mix design which has been successfully pumped in the past. Refer to Section 03055.
- B. When concrete seal is placed underwater provide one extra sack (94 Lbs) of cement per cubic yard of concrete. Refer to Section 03055.
- C. Consider use of set retarding admixtures to maintain flow characteristics (slump) of the concrete due to haul and placement time requirements. Refer to Section 03055.
- D. Use of UDOT prequalified Ready Mix Concrete Supplier is not required.

## PART 3 EXECUTION

### 3.1 CONSTRUCTION

- A. Expose and clean bedrock and pile surfaces. Refer to Section 02463S.
- B. Place concrete seal monolithically in a single placement sequence.
- C. Note that if a sheet pile cofferdam alternate is selected by the Contractor the concrete seal slab must serve additional functions during construction. Either its thickness must be increased so that its weight offsets maximum uplift forces (*for the maximum safe elevation of water outside the cofferdam when completely dewatered*) or the shop drawings must reflect a proper allowance for the interface bond between the concrete seal slab and the existing concrete piles [40psi maximum] and the available dead loads on the piers. Refer to Section 02463S.

### 3.2 PLACING CONCRETE UNDER WATER

- A. Provide Engineer 24 hours notice before placing concrete under water.
- B. Use concrete pumping equipment capable of pumping at least 50 yd<sup>3</sup>/hr against a minimum 20 feet head of concrete measured from the discharge end of the pump hose extension.
- C. Use a pump hose:
  - 1. Having sufficient length of extension to conveniently reach the length and depth of the concrete seal footprint.
- D. Purge the pipe of water.
  - 1. Insert a sturdy plastic ball or equivalent into the top of the pump hose

Scour Protection, Unreinforced Concrete Seal At Bedrock (Class A)

- extension before connecting the hose from the concrete pump.
  - 2. The ball must fit snugly into the pump hose extension when the hose is filled. The hose must be strong enough to resist rupture.
  - 3. Prime the hose and pipe with Portland cement slurry.
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- E. Once concrete placement begins keep the bottom of the pump hose as far below the top of the fresh concrete surface as is practicable.
  - F. Do not remove hose from the interior of the concrete. Do not allow the free-fall of concrete.
  - G. Slowly advance location of the end of the hose as concrete seal volume builds. Do not vibrate concrete.

END OF SECTION